

"We should all be concerned about the future because we will have to spend the rest of our lives there."

- Charles F. Kettering

Wind Turbine Proposed to Help Power M-TEC

Foreseeing wind power as a popular renewable energy source of the future, Kalamazoo Valley Community College (KVCC) plans to train and certify technicians to install and service wind turbines. The Wind Energy Center will develop into an educational partnership between KVCC and Western Michigan University (WMU). The idea comes as Governor Jennifer Granholm has begun a push to make Michigan a leader in the development and use of energy from alternative and renewable sources.

KVCC plans to offer credit certificate and alternative energy degree programs, and through its Michigan Technical Education Center (M-TEC), would offer certificate programs in installation and maintenance of wind turbines. "WMU's College of Engineering and Applied Sciences plans to focus on degrees in alternative energy, as well as offer programs in product design and manufacturing," said James DeHaven, KVCC's Vice President for Economic and Business Development.

KVCC officials would like to erect a 100-kilowatt wind turbine next to I-94 in Texas Township near M-TEC. KVCC officials estimate the turbine could meet 10 percent of M-TEC's energy needs, which is consistent with Granholm's proposal that 10 percent of the state's power come from renewable energy by the end of 2015.

Drug Lab Grant to Boost Research

Based at KVCC's M-TEC, the [Michigan High Throughput Screening Center \(MHTSC\)](#) was formally presented with \$331,000 federal grant money by U.S. Rep. Fred Upton on Friday, April 18th. As a result of the grant, "we will be able to run more projects, work with more companies, and help them as they try to discover new drugs," said Rob Kilkuskie, the center's director and one of its four researchers. The center provides drug-discovery services to large pharmaceutical companies, academic researchers and small start-up bioscience firms.

Specialized robotics equipment and a library of 100,000 compounds are used to probe for breakthroughs that could potentially treat cancer and other diseases. "One of the aspects that makes the center attractive to companies and unique, to a degree, is that it provides the screening expertise in drug discovery while allowing the firms they work with to retain full rights to their intellectual property," said James DeHaven, KVCC's Vice President for Economic and Business Development. "People can come to us and leave their MBAs and their patent lawyers at home."

Demand Driven Training

Be reminded that the training programs you see offered at M-TEC or at company locations were developed because local companies asked for them.

Two new examples are [National Electrical Code Update](#) and [Communicating Complex Information to Non-Technical End Users](#).

The training team relies on that feedback to achieve the goal of providing skill development programs which meet the needs of area employers. We encourage our customers to keep the calls coming. Share your ideas with any one of the training team members: Cindy Buckley, Trish Schroeder, Pat Wallace or Lesa Ward.

"Neither a wise man nor a brave man lies down on the tracks of history to wait for the train of future to run him over"

- Dwight D. Eisenhower

Changes to M-TEC Advisory Board

Mike Rude, Vice President for Human Resources at Stryker has joined the Advisory Board; a big welcome to Mike. In another change, Kevin Munson from Pfizer is moving to New Jersey and has resigned from M-TEC's Advisory Board. We thank Kevin for his support over the last few years.

Career Academies

The **Welding Academy** graduated 15 Welders on May 12th. The 6-week program, created by industry advisors, provided training for people interested in gaining entry level welding skills. The program focused on MIG and Flux Cored welding and the participants tested for the AWS certifications in Structural Steel. Through this program we have come to know 15 hard working, career minded welders. Please let us know if you know of job openings which align with their skills. Contact Cindy Buckley (cbuckley@kvcc.edu) at 269/353-1250 for more information.

The **Automotive Academy** has entered their third phase - the Live Shop. During this final phase, the participants are practicing their technical skills along with customer interaction, ordering parts, estimating, etc. This first Automotive Academy will graduate in August.

Applications for the next Automotive Academy are being accepted NOW for a start date of September 8, 2008. Only 18 students will be admitted to the program. **Application deadline is May 30th**. [Click here](#) to view the Program Description and to download the Application. For additional information, contact Charlie Fuller (dfuller@kvcc.edu), Director, at 269/488-4178.

Customer Spotlight

[The Hydraulic Systems Division \(HSD\) of Parker Aerospace](#) is the industry leading provider of fully integrated hydraulic systems and manufacturer of advanced hydro-mechanical and electro-mechanical subsystems and components for both commercial and military aerospace markets.

Since 1993, the division has designed and certified nine civil aircraft hydraulic systems comprised of three business jets and six regional transports including the Embraer EMB170/190 regional jet. HSD is also leading the hydraulic system development efforts for several new platforms including the Falcon 7X business jet, Sukhoi Super Jet, ACAC ARJ21, Boeing 787, ATG Javelin, Airbus A350 XWB, and Mitsubishi Regional Jet.

As a major system integrator partner in the aerospace community, HSD has a strong foundation in system design and integration, including system architecting, interface definition, equipment sizing and specification development, spatial and modular integration, analysis and simulation, RM&S analysis, test, certification, and technical publications.

A number of Hydraulic Systems Division employees have completed training classes with M-TEC in both technical and manufacturing areas. The training classes have provided valuable insight and training to these employees and have enabled them as they continue working in aerospace. For example, throughout May alone, Parker anticipates that 40 employees will complete a Blueprint Reading course customized to meet Parker specifics. Geometric Dimensioning & Tolerancing (GD&T) is another course Parker has benefited from a tailored content provided by M-TEC.

Steel My Summer for 12-16 Year Olds Returns for It's 2nd Year

KVCC is planning a second edition to ["Steel My Summer"](#) fueled by an overwhelming review from last year's 23 participants. How can designing a radio-controlled, scale-model car, fabricating its components, and assembling them into a finished product to be test driven and raced be anything but "awesome" and "pretty cool"?

"You don't stop laughing because you grow old, you grow old because you stop laughing."

- Dorothy Parker

This one-week summer camp is aimed at youths, ages 12 to 16, interested in careers in manufacturing and over the five-day period will engage in hands-on, interactive pursuits that expose them to the advanced technologies required in today's manufacturing. In addition to the cars they build, participants will take home a "[Steel My Summer](#)" t-shirt. Manufacturers will add to the experience by hosting field trips and by providing speakers who will discuss employment opportunities that are on the horizon as the current generation of high-tech machinists nears retirement. **Application deadline is May 23 and notification of acceptance will be May 30.**

For more information about the camp which will be held on the KVCC Texas Township Campus from June 23-27, [click here](#) to view the Flyer and Registration Form, or visit M-TEC's website at www.mteckvcc.com under **Programs**. Spread the word to interested youth – encourage them to fill out the application, send it in and join in the fun. You can also contact Debbie Dawson, Dean of Business and Advanced Technology, (ddawson@kvcc.edu) at 269/488-4219 for more information.

M-TEC Welcomes New Tenants

The M-TEC at KVCC has 5,000 sq. feet of space dedicated in its upper level to house start-up companies. There have been some companies who have "graduated" from this location due to success and growth and several more have recently arrived to take their place. Join us in welcoming the following new tenants:

[Maestro eLearning](#) is a full service, custom eLearning agency that focuses on creating world class online training programs and strategies for corporations in the healthcare industry. Maestro's customer centric approach to instructional and creative design is derived from the combined corporate healthcare industry experience of the founders of the company.

Global Sustainability Solutions, Inc. is a research based consulting firm structured to provide sustainability information, insight and knowledge across the value chain. It is set up to develop and monitor corporate sustainability strategies. Additionally, GSSI has developed and will market a series of tools that allow management overview and participation in the achievement of corporate social responsibility goals.

Global Integrated Alliance is a non-profit organization structured to provide a package of solutions for US based companies to share marketing and sales approaches to sell their products and services to the global marketplace. The program is designed to allow these independent businesses the ability to share demand generation or lead services, as well as partner with other independent companies to offer a broader package of services.

Supply Chain Diversity – a minority consulting organization set up to provide North American technical and sales support for international companies to do business in the US. Additionally, SCD will provide a variety of services to assist US firms to provide market research, market studies and partner searches in Asia with a particular emphasis on China. SCD has been formed to provide turn key support for US companies to sell their products and services in Asia.

[Global Clinical Connections, LLC](#) is a consulting firm which works with small, medium and large pharma/biotech for drug development from Phase I-IV, with experience in packaging and labeling clinical supplies. Future activity will include GLP/GMP/GCP training and Phase I-IV clinical trial management.

Animate Your Summer – Join the KAFI Academy

The [KAFI Academy Summer Workshop 2008](#) program has an amazing line-up to keep those interested in everything from animation, film making, game design and comic strips busy between June 16 and August 1. Ever heard of Guerilla Filmmaking? How about learning Claymation or experience the joy in seeing your drawings move by attending "The Magic of the Bouncing Ball" workshop. For more information on each of the thirteen summer workshops, visit <http://kafi.kvcc.edu/academy>. You can also request a flyer and program outline mailed to your home by calling 269/373-7920.

"What we have to do is to be forever curiously testing new opinions and courting new impressions."

- Sam Ewing

Looking for Employees?

KVCC has a website feature that may help in your search. Employment opportunities from regional businesses may be posted to the KVCC website as another tool for recruitment. KVCC continually strives to help employers and employees find the right "fit."

Post your openings at <http://employment.kvcc.edu>. Choose "EMPLOYERS: Post Jobs Here." The job posting will be on the site within one business day and will remain available for 15 days. If you have further questions, contact the Student Employment office at 269/488-4272.

Current Training Offerings

The menu of workshops, seminars and training events changes rapidly. You'll find the complete list of opportunities on our website. The following list highlights our recent additions.

[Upgrading to Microsoft Office 2007](#)
[Advanced Microsoft Project 2003](#)
[Design of Experiments](#)
[Estimating Measurement Uncertainty](#)
[Facilitating Team Efforts – Empowering Team Members](#)
[Building Effective Teams Series](#)
[Managing Difficult Personalities – Confronting Undesirable Behaviors](#)
[Fundamentals of GD&T](#)
[Managing People](#)
[Gage R&R](#)
[Win-Win Communication](#)
[Fundamentals of Front Line Leadership](#)
[Managing Projects](#)
[Failure Mode and Effect Analysis \(FMEA\)](#)
[Root Cause Analysis – 8D Problem Solving](#)
[Basic Industrial Blueprint Reading](#)
[SHRM® Certification Examination Prep](#)
[Lead Safe Work Practices](#)

[Follow this link](#) to search the entire list of M-TEC training events. For complete program descriptions or to register on-line, please visit www.mteckvcc.com. We maintain a one-page [Course Offering](#) list which is easily downloaded.

We hope you have found the information contained in this newsletter to be useful. Share your comments...we'd like to hear from you. If you wish to unsubscribe, please send an e-mail to mtec@kvcc.edu with the word NEWSLETTER UNSUBSCRIBE in the subject line and your e-mail address in the body.

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M-TEC Offerings



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Competitive Edge*

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Visit: www.mteckvcc.com
for information on:

- course offerings
- events
- on-line registration
- facility rental & directions



May 2008

	<u>Date</u>	<u>Price</u>
Advanced Microsoft Excel 2003	May 22	\$189
International Trucking School Basic Truck Driver Training	May 26-Jun 20	\$5,190
Upgrading to Microsoft Office 2007	May 29	\$100

June 2008

Advanced Microsoft Project 2003	June 3	\$189
Design of Experiments	Jun 3-5	\$995
National Electrical Code Update	Jun 3-24	\$150
Estimating Measurement Uncertainty	Jun 3-24	\$430
Facilitating Team Efforts – Empowering Team Members	Jun 11	\$295
International Trucking School Basic Truck Driver Training	Jun 23-Jul 18	\$5,190
Effective Meeting Management	Jun 24	\$150
Communicating Complex Information to Non-Technical End Users	Jun 26	\$275

July 2008

Building Effective Teams Series	Jul 8	\$250
Managing Difficult Personalities – Confronting Undesirable Behaviors	Jul 9	\$295
International Trucking School Basic Truck Driver Training	Jul 21-Aug 15	\$5,190

August 2008

Fundamentals of GD&T	Aug 4-8	\$525
Managing People	Aug 5-19	\$450
Gage R&R	Aug 13	\$275
Win-Win Communication	Aug 13	\$295
International Trucking School Basic Truck Driver Training	Aug 18-Sep 12	\$5,190
Failure Mode & Effect Analysis (FMEA)	Aug 19 & 21	\$175
Root Cause Analysis-8D Problem Solving	Aug 19 & 21	\$175

September 2008

Fundamentals of Front Line Leadership	Sep 2-Oct 8	\$650/550
SHRM® Certification Examination Prep	Sep 8-Nov 17	\$1,020
International Trucking School Basic Truck Driver Training	Sep 15-Oct 10	\$5,190
Managing Projects	Sep 16	\$250
Lead Safe Work Practices	Sep 25	\$30